

In re KUMAR ET AL., Application No. 09/811,195
Amendment A

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method performed an apparatus interfacing a communications device with a packet network, the method comprising:

signaling to establish a call including a first traffic characteristic over the packet network;

receiving a telephonic signal from the communications device;

monitoring the telephonic signal to determining a call characterization; and

requesting of the packet network, based on the determined call characterization, a modification of the call to replace the first traffic characteristic with a second traffic characteristic.

Claim 2 (original): The method of claim 1, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

Claim 3 (original): The method of claim 2, wherein the first packet rate is a variable packet rate and the second packet rate is a fixed packet rate.

Claim 4 (original): The method of claim 2, wherein the first packet rate is less than the second packet rate.

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Claim 5 (original): The method of claim 2, wherein the first packet rate is greater than the second packet rate.

Claim 6 (original): The method of claim 1, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

Claim 7 (original): The method of claim 1, wherein said determining the call characterization includes detecting a modem tone.

Claim 8 (original): The method of claim 1, wherein said determining the call characterization includes detecting a facsimile transmission.

Claim 9 (original): The method of claim 1, wherein said requesting the modification of the call includes Q.2963.x signaling.

Claim 10 (currently amended): A method performed an apparatus interfacing a communications device with a packet network, the method comprising:

receiving a telephonic signal from the communications device;
monitoring the telephonic signal;
signaling to establish a packet call of a first bandwidth over the packet network;
detecting a type of traffic on the telephonic signal; and
signaling to the packet network, in response to the detected type of traffic, to request a modification of the packet call, the modification including an increase of bandwidth from the first bandwidth to a second bandwidth.

Claim 11 (original): The method of claim 10, wherein the detected type of traffic includes modem signals.

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Claim 12 (original): The method of claim 10, wherein the detected type of traffic includes facsimile signals.

Claim 13 (original): The method of claim 10, wherein said signaling to request a modification of the packet call includes Q.2963.x signaling.

Claim 14 (original): A method performed an apparatus interfacing a communications device with a packet network, the method comprising:

signaling to establish a call including a first traffic characteristic over the packet network;

receiving an indication of a call characterization determined within the apparatus;
requesting, based on the received indication of the call characterization, a modification of the call to replace the first traffic characteristic with a second traffic characteristic.

Claim 15 (original): The method of claim 14, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

Claim 16 (original): The method of claim 15, wherein the first packet rate is less than the second packet rate.

Claim 17 (original): The method of claim 15, wherein the first packet rate is greater than the second packet rate.

Claim 18 (original): The method of claim 14, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

Claims 19-20 (canceled)

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Claim 21 (original): The method of claim 14, wherein said requesting the modification of the call includes Q.2963.x signaling.

Claim 22 (canceled)

Claim 23 (currently amended): A One of more computer-readable ~~medium~~ media included in an apparatus interfacing a communications device with a packet network, the computer-readable ~~medium~~ containing computer-executable instructions for performing the steps of:

signaling to establish a call including a first bandwidth over the packet network;

after said signaling to establish the call, receiving an indication of a type of traffic included in the call as determined within the communications device;

requesting, based on the received indication of type of traffic, a modification of the call, the modification including an increase of bandwidth from the first bandwidth to ~~the~~ a second bandwidth.

Claim 24 (currently amended): The computer-readable ~~medium~~ media of claim 23, wherein the type of traffic includes modem traffic.

Claim 25 (currently amended): The computer-readable ~~medium~~ media of claim 23, wherein the type of traffic includes facsimile traffic.

Claim 26 (currently amended): The computer-readable ~~medium~~ media of claim 23, wherein said requesting the modification includes initiating a Q.2963.x signaling message.

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Claim 27 (original): A system comprising:
a telephonic interface to receive a telephone signal and to detect a traffic
characterization; and
a signaling agent to establish a call including a first bandwidth across a packet
network;
wherein the signaling agent requests a modification of the call from the first bandwidth
to a second bandwidth in response to a particular type of traffic detected by the telephonic
interface.

Claim 28 (original): The system of claim 27, wherein the particular type of traffic
includes modem or facsimile traffic.

Claim 29 (original): The system of claim 27, wherein the request for modification of
the call includes sending a Q.2963.x signaling message.

Claim 30 (currently amended): ~~A system~~ An apparatus interfacing a communications
device with a packet network, the apparatus comprising:

means for receiving a telephonic signal from the communications device;
means for establishing a call of a first bandwidth over the packet network;
means for detecting that the telephonic signal includes a modem signal or a facsimile
signal; and
means for requesting a modification of the call from the first bandwidth to a second
bandwidth in response to detecting that the telephonic signal includes the modem signal or the
facsimile signal.

Claim 31 (currently amended): ~~The system~~ The apparatus of claim 30, wherein said
means for requesting the modification of the call includes means for generating a Q.2963.x
signaling message.

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Claim 32 (new): The apparatus of claim 30, wherein the communications device is a packet network non-compliant telephonic device.

Claim 33 (new): The computer-readable media of claim 23, wherein the communications device is a packet network non-compliant telephonic device.

Claim 34 (new): The method of claim 1, wherein the communications device is a packet network non-compliant telephonic device.